

HYODO et al  
Appl. No. 09/437,239  
July 26, 2004

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (CANCELLED)
2. (CANCELLED)
3. (CANCELLED)
4. (CANCELLED)
5. (CANCELLED)
6. (CANCELLED)
7. (CANCELLED)
8. (CANCELLED)

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9. (Currently Amended) A reproducing apparatus for reproducing multiplexed coded data and control data from a recording medium, the multiplexed coded data comprising coded audio-data and coded video-data and being recorded as a plurality of separate data-packs, the control data being recorded separately from the multiplexed coded data, said reproducing apparatus comprising:

a recording medium controller for reading the multiplexed coded data and control data; and

a coded data control section for controlling the reproducing of the multiplexed coded data by controlling the recording medium controller based on the control data;

wherein the control data includes the key-frame location information, the key-frame being at least one of an I-frame and P-frame, the key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame; and

said reproducing apparatus further comprises a coded data control portion including a sequence table memory area and a key frame table memory area,

the control data in said sequence table memory area includes the order of reproduction sequences,

the control data in said key frame table memory area indicates the location of key frame data.

10. (*Previously Presented*) A reproducing apparatus as defined in claim 9, wherein the key-frame location information also includes information on a head or a tail of coded video-data of the key-frame.

11. (*Previously Presented*) A recording apparatus as defined in claim 9, wherein the multiplexed coded data comprises coded audio-data and coded video-data and is recorded on the recording medium as separate data-packs.

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12. (Currently Amended) A recording apparatus for recording multiplexed coded data and control data to a recording medium, the multiplexed coded data comprising coded audio-data and coded video-data as a plurality of separate data-packs, the control data being recorded separately from the multiplexed coded data, said recording apparatus comprising:

a recording medium controller for recording the multiplexed coded data and control data; and

a coded data control section for controlling the recording of the control data by controlling the recording medium controller according to the multiplexed coded data;

wherein the control data includes the key-frame location information, the key-frame being at least one of an I-frame and P-frame, the key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame; and

said reproducing apparatus further comprises a coded data control portion including a sequence table memory area and a key frame table memory area,

the control data in said sequence table memory area includes the order of reproduction sequences,

the control data in said key frame table memory area indicates the location of key frame data.

13. (*Previously Presented*) A recording apparatus as defined in claim 12, wherein the key-frame location information also includes a head or a tail of the coded video-data of the key-frame.

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14. (*Previously Presented*) A recording apparatus as defined in claim 12, wherein the multiplexed coded data comprises coded audio-data and coded video-data and is recorded on the recording medium as separate data-packs.